

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	84	(cole bryan).in. OR (sorensen troy).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 16:08
S3	746621	Image sensor OR pixel OR PEL OR picture element OR sens\$3 element OR sens\$3 device	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:34
S5	183377	(Filter OR coat\$3 OR layer) WITH (polysilicon OR epitaxial OR crystal silicon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:35
S6	4842	S3 same S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:36
S7	182108	Transfer gate OR (read\$3 NEAR3 circuit\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:37
S8	975	S6 and S7	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:37
S9	950	S8 and (Substrate OR wafer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:38
S10	32627	(Photodiode OR sensor OR photosensor OR (photo NEAR2 (sensor OR sensitive element))) SAME ((captur\$3 OR absorb\$3 OR receiv\$3 OR sens\$3) WITH wavelength\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:38
S11	176	S9 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:39
S12	97161	Array WITH (Image sensor OR pixel OR PEL OR picture element OR sens\$3 element OR sens\$3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:40
S13	150	S11 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:41

## EAST Search History

S14	3570	(Sensing WITH ((light OR color) WITH wavelength\$2 WITH range)) OR (Sensing WITH (wavelength\$2 WITH range)) OR (Sensing WITH ((light OR color) WITH range))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:43
S15	5	S13 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:43
S16	228729	(Color OR Wavelength\$2) WITH (range OR scope)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:48
S17	53	S13 and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:49
S18	8	"5965875".pn. OR "5990506".pn. OR "6078429".pn. OR "6330113".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/21 17:57
S22	5	"4011016".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/22 10:34
S23	2	"4613895".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/22 10:35
S24	2	"4677289".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/22 10:37
S25	2	"4651001".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/22 10:38
S26	74	((Filter) WITH (polysilicon OR epitaxial OR crystal silicon)) SAME (photosensor OR photodiode OR photogate OR photoconductor OR (convert\$3 NEAR2 (device or element)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/22 11:48
S28	50	S26 AND @py<="2005"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/22 11:51
S29	8	"5965875".pn. OR "5990506".pn. OR "6078429".pn. OR "6330113".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 10:56

## EAST Search History

S30	1593773	Imager OR ((light OR photograph\$3 OR imag\$3 OR color) NEAR3 (sens\$3 OR device OR filter)) OR CMOS OR (complimentary metal oxide semiconductor) OR CCD	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 11:41
S32	26375	(layer OR substance OR polysilicon OR silicon OR sheet OR surface OR structure OR region OR section) WITH ((thick\$4 OR dimension\$2 OR depth) WITH ((filter\$3 OR HPF OR (high pass filter) OR transmit\$4 OR pass\$3 OR transfer\$4 OR send\$3 OR sent) NEAR5 (wavelength OR light OR color OR intensity OR spectrum)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 11:43
S33	4389	((blue OR B OR short\$2) WITH (absorb\$3 OR captur\$3)) SAME ((green OR red OR R OR G OR long\$2) WITH (transmit\$4 OR pass\$3 OR transfer\$4 OR send OR sent))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 11:43
S34	16833	S30 and S32	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 11:44
S35	364	S34 and S33	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 11:44
S36	298	S35 and substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 11:45
S37	130	S36 and (photodiode OR (sens\$3 NEAR5 light))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 11:47
S38	131	S36 and (photodiode OR (sens\$3 NEAR5 (light OR region)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 11:47
S39	0	("2005/0057671").URPN.	USPAT	ADJ	ON	2008/07/22 11:53
S42	2	"7132724".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 15:13

## EAST Search History

S43	30	("20020058353"   "20040185597"   "3971065"   "4011016"   "4238760"   "4309604"   "4318115"   "4613895"   "4651001"   "4677289"   "4772335"   "5397734"   "5502299"   "5583351"   "5608243"   "5668596"   "5739562"   "5872371"   "5883421"   "5889315"   "5899714"   "5965875"   "6066510"   "6078037"   "6111300"   "6365270"   "6410899"   "6518085"   "6727521"   "6731397").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/22 15:13
S44	1	("7132724").URPN.	USPAT	ADJ	ON	2008/07/22 15:13
S45	13	(US-20040178466-\$ or US-20030045020-\$ or US-20020190254-\$ or US-20020005524-\$).did. or (US-6815743-\$ or US-4011016-\$ or US-4613895-\$ or US-4677289-\$ or US-7132724-\$ or US-6476374-\$ or US-6965102-\$ or US-6960799-\$ or US-7129466-\$).did.	US-PGPUB; USPAT	ADJ	ON	2008/07/22 15:59
S46	3	S45 AND (filter WITH polysilicon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:00
S47	2	S45 AND ((crystal NEAR3 silicon) OR (tetraethyl orthosilicate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:23
S48	3	S45 AND (photolithographically OR photolithograph\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:26
S49	0	filter WITH (polysilicon AND tetraethyl orthosilicate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:31
S50	3	filter SAME (polysilicon AND (tetraethyl orthosilicate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:31
S51	1	S45 AND ((crystal NEAR3 silicon) WITH filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:37
S52	5	(257/292.ccls. OR 438/48.ccls. OR 348/273.ccls. OR 348/342.ccls.) AND ((crystal NEAR3 silicon) WITH filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:38
S53	402	((crystal NEAR3 silicon) WITH filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:40

## EAST Search History

S54	30	S53 and "348".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:40
S55	2	(filter NEAR3 (crystal silicon)) and "348".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:42
S56	3	(filter NEAR3 (crystal silicon)) and "257".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:43
S57	0	(filter NEAR3 (crystal silicon)) and "438".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:43
S58	2	(filter NEAR3 (crystal silicon)) and "250".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/22 16:43
S70	1921	(tetraethyl orthosilicate OR TEOS) WITH (polysilicon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/23 15:35
S73	25	(tetraethyl orthosilicate OR TEOS) WITH (filter AND over)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/23 15:36
S81	14	(US-20040178466-\$ or US-20030045020-\$ or US-20020190254-\$ or US-20020005524-\$).did. or (US-6815743-\$ or US-4011016-\$ or US-4613895-\$ or US-4677289-\$ or US-7132724-\$ or US-6476374-\$ or US-6965102-\$ or US-6960799-\$ or US-7129466-\$ or US-6093585-\$).did.	US-PGPUB; USPAT	ADJ	ON	2008/07/24 12:29
S82	1	S81 and ((crystal NEAR3 silicon) WITH filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/24 12:30
S83	402	((crystal NEAR3 silicon) WITH filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/24 12:30
S84	30	S83 and "348".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/24 12:31

## EAST Search History

S85	101	S83 SAME (pixel OR (picture element) OR photosensor OR photodiode OR (color filter))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/24 12:36
S86	4	(crystal silicon filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/24 12:36
S87	79	((crystal NEAR3 silicon) WITH (color filter))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/24 12:49
S88	50	((crystal silicon) WITH (color filter))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/24 12:50
S89	9	(compris\$3 WITH (crystal silicon)) WITH (color filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/07/24 12:53